



NSA CYBERSECURITY

# 2023 NIAP Update

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Continued growth of PP coverage and product evaluations

# NIAP Today

- Mature COTS Product Evaluation for National Security Systems
- Define minimum security requirements for commercial technologies
- Represent US in Common Criteria Recognition Arrangement
- CNSSP 11 Enforcement Mechanism



**77**

FY23 Product Evaluations



**52**

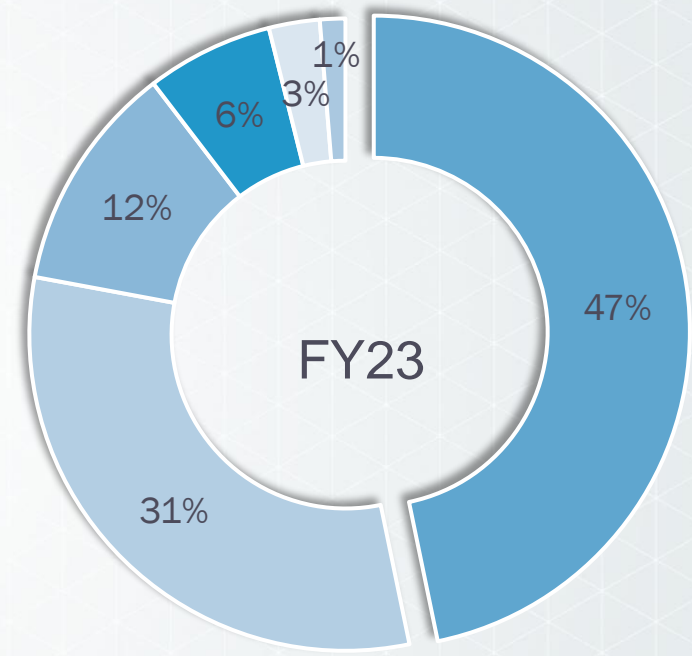
Protection Profiles



**31**

Nation Partnerships

## FY23 Evaluations by Technology

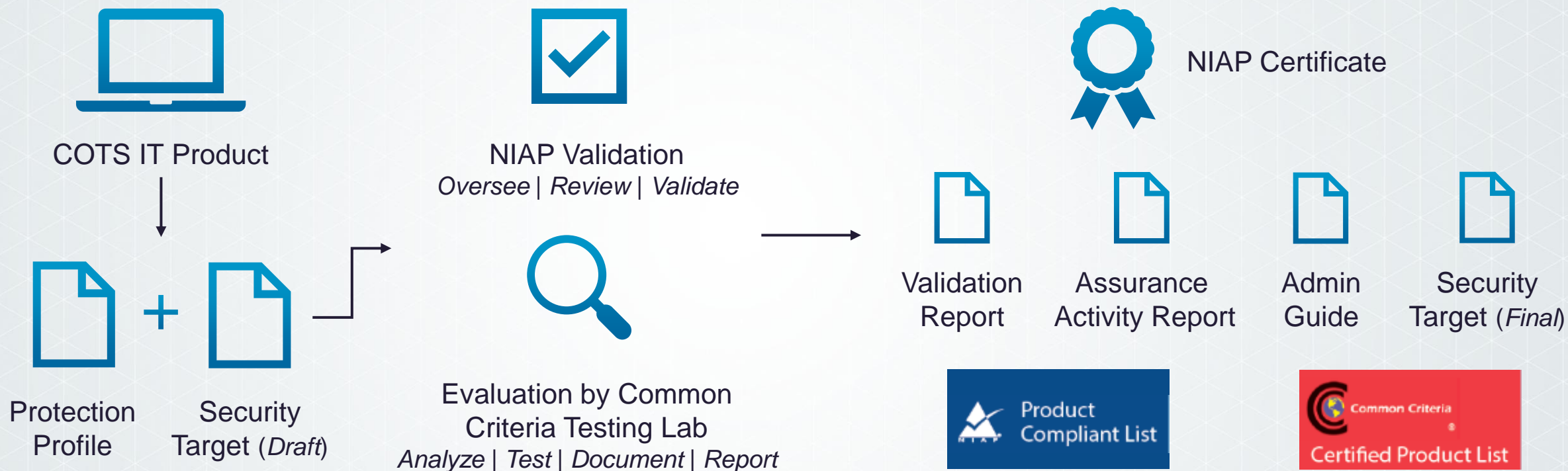


- Network Device
- Application
- Mobile Device
- Full Drive Enc.
- PSD
- ESM

- 15 Evaluations
- 264 Configurations

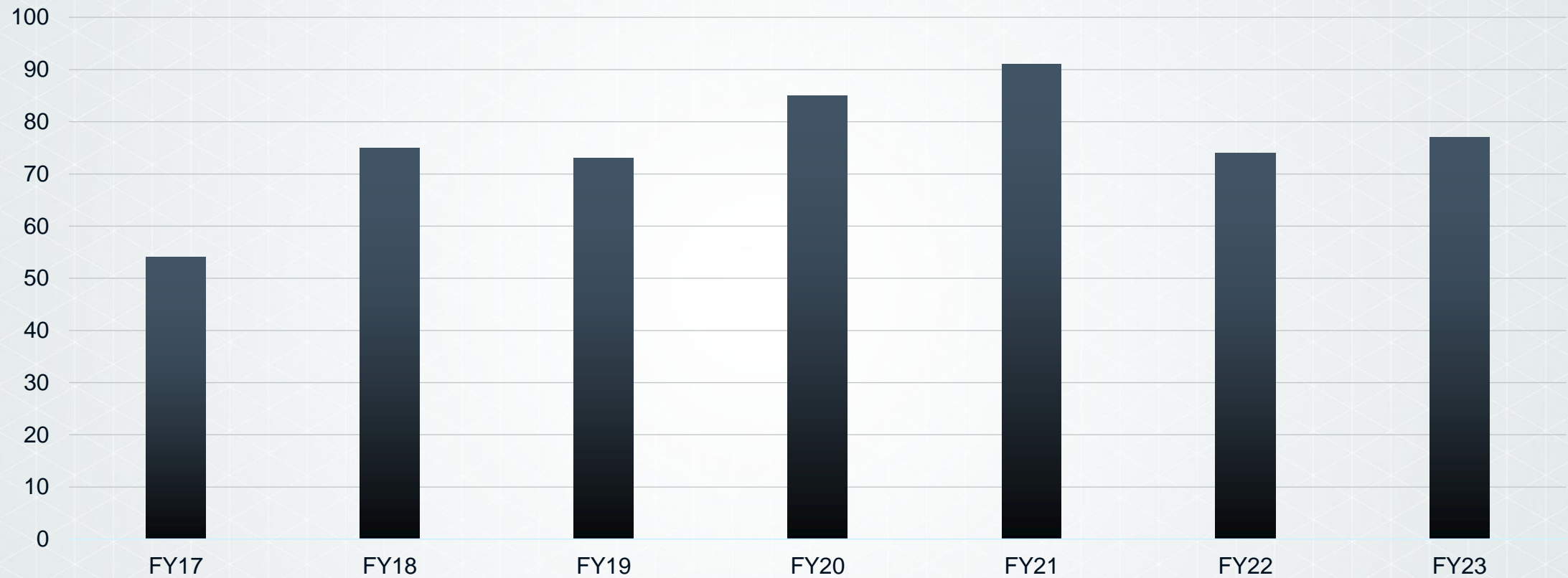
## COTS Product Validation

Establish and implement processes to oversee COTS product evaluations under the terms of the Common Criteria Recognition Arrangement to ensure evaluated COTS IT products are available for use in NSS.

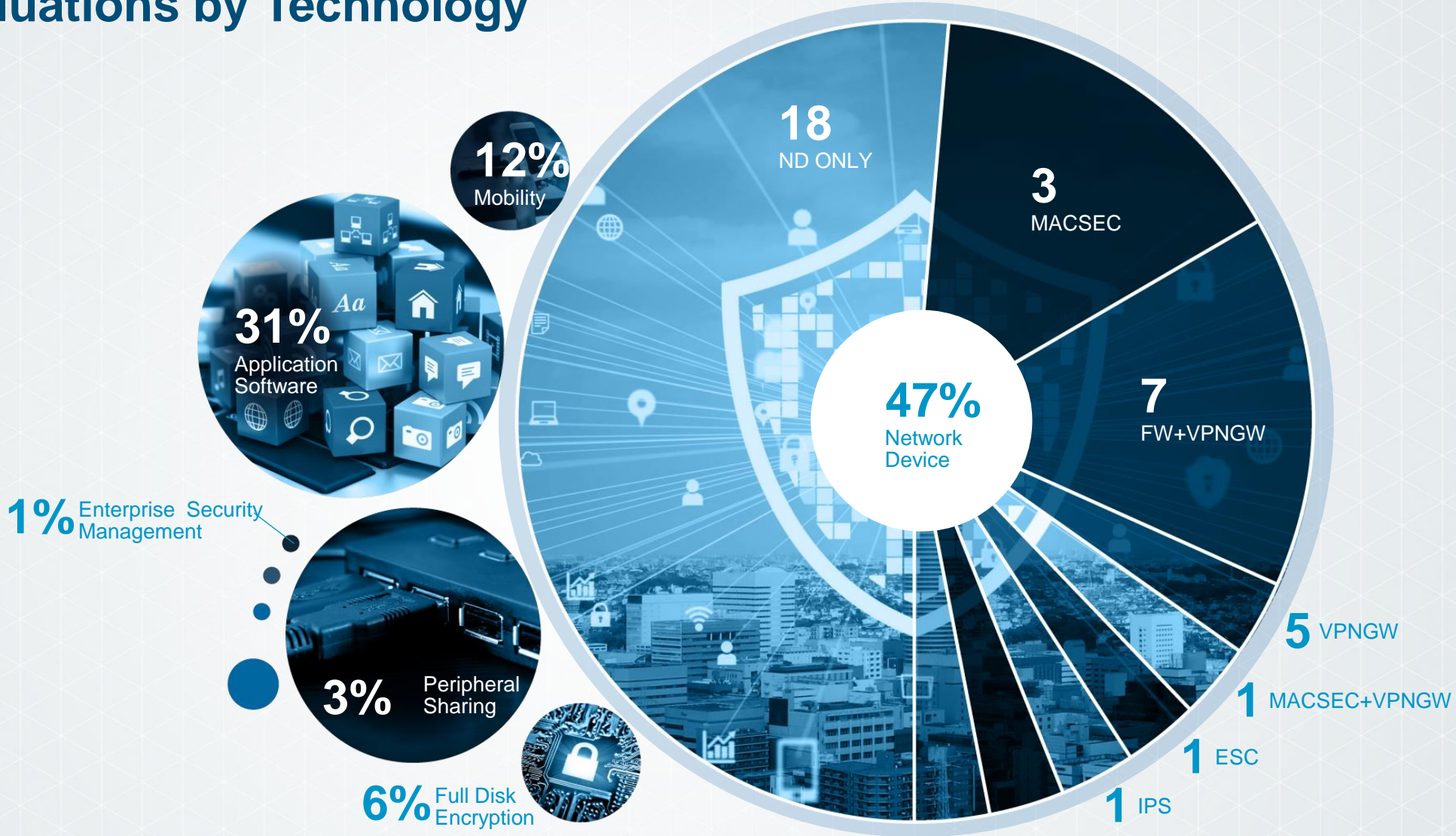


**215+ Products & 1000+ Product Configurations**

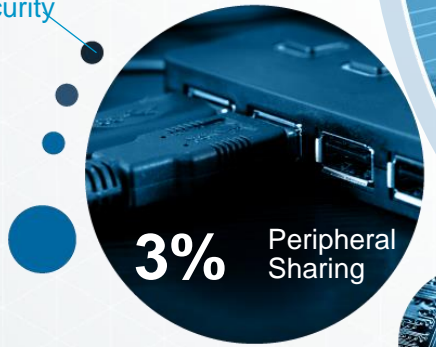
# Total NIAP Evaluations by Fiscal Year



# FY22 Evaluations by Technology



1% Enterprise Security Management





Changing Enterprise Architectures



International Shifts



Challenges exist in maintaining the mission

# NIAP Forward.

Best Quality

Limited SME availability (NSA/Industry)

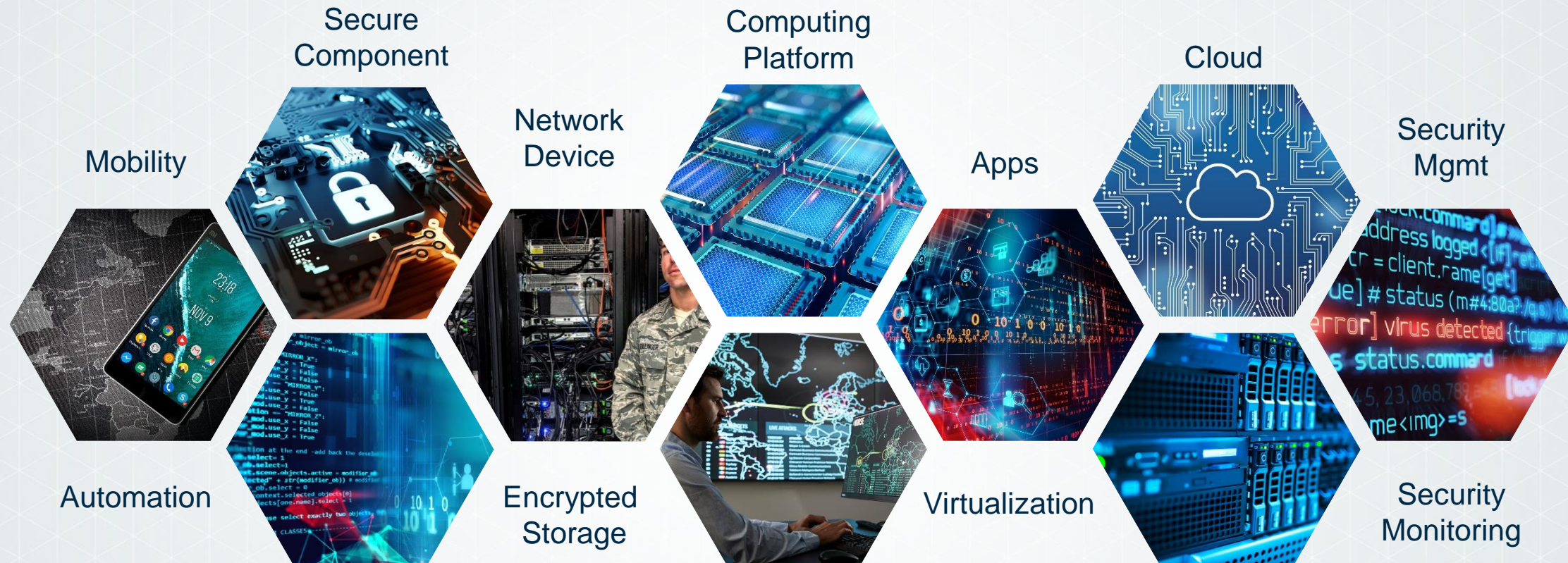


Best Quality

Sustaining Whole of Government Approach



# NIAP Portfolio



Establish and implement processes to oversee COTS product evaluations under the terms of the Common Criteria Recognition Arrangement to ensure evaluated COTS IT products are available for use in NSS and worldwide.

# Protection Profile Development

## Technical Working Groups

Collaborate with industry to develop baseline security requirements per technology; raising the security bar incrementally.

Partner with NSA, NIST, CISA, DHS, and DISA in order to eliminate duplicative technology security requirements and test regimes.



## PROTECTION PROFILES



**NIAP collaborates with 200+ INDUSTRY PARTNERS  
to develop protection profiles**

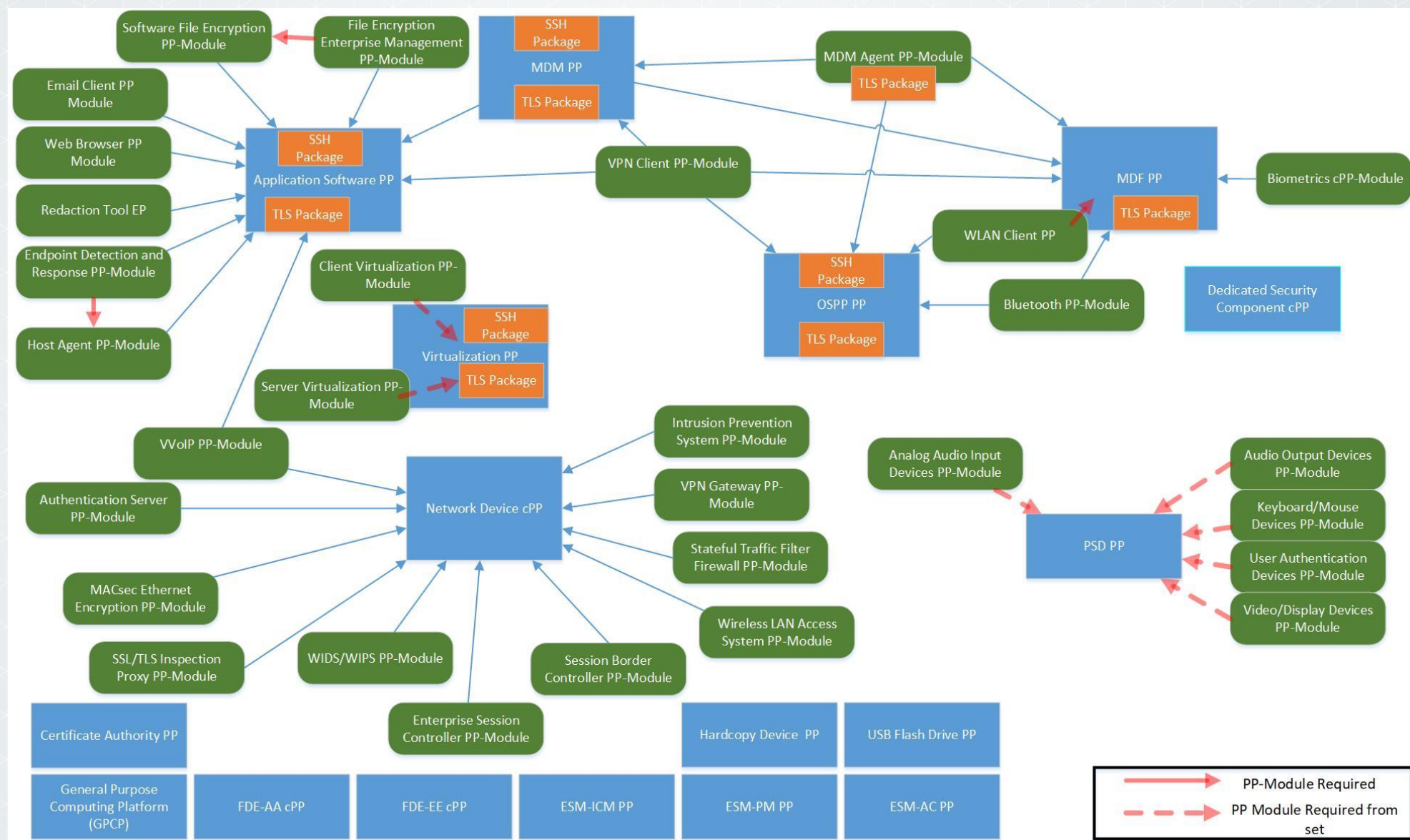


# Protection Profile Update Strategy

## Priorities:

- ▼ PP Draft Schedule
  - ▼ Protection Profile Dependencies
  - ▼ CC:2022 Impact
  - ▼ CNSA 2.0 Deadline
- ▼ Requests
  - ▼ Updates to PPs
  - ▼ New PPs

# The Inter-connections of PP's



# Protection Profile Roadmap

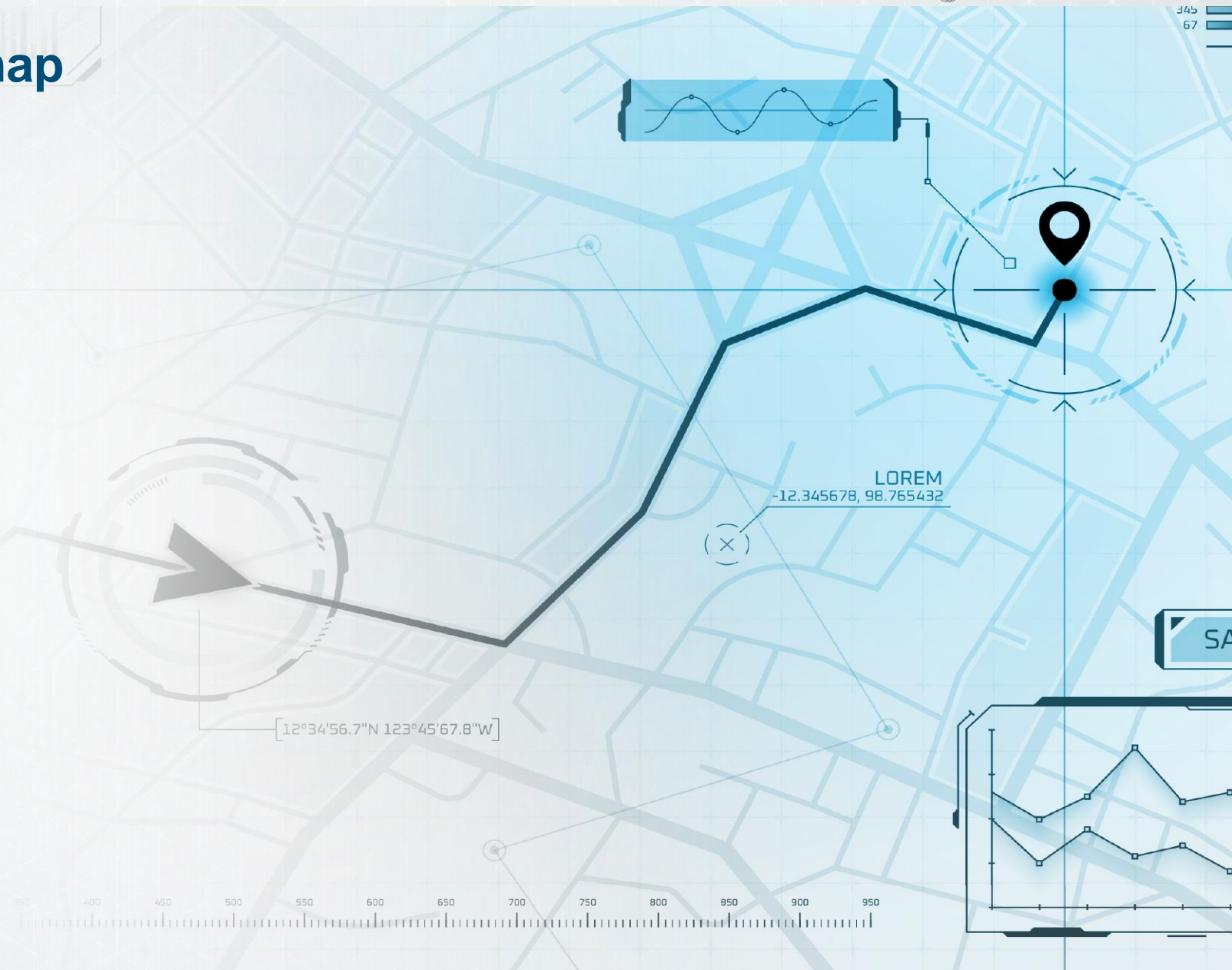
## Priorities:

- ▾ CC:2022 Conversion
  - ▾ App SW Group
  - ▾ Mobility Group
  - ▾ ND Group
  - ▾ PSD Group
  - ▾ Virtualization Group
  - ▾ Individual PPs
- ▾ CNSA 2.0
  - ▾ LMS/XMSS
  - ▾ CRYSTALS Kyber/Dilithium



# Protection Profile Roadmap

- ▼ New PPs
  - ▼ X.509 Package
  - ▼ ESM Enterprise Management
  - ▼ ESM PAM
  - ▼ SDN Controller
- ▼ cPP Endorsement Reviews
  - ▼ NDcPP 3.0
  - ▼ App SW cPP & 2 cPP Modules
  - ▼ HCD cPP



# Technology Focus

- ▼ CNSA Suite 2.0
- ▼ Cloud Security
- ▼ Multi-Factor Authentication
- ▼ Zero Trust
- ▼ Vulnerability Tracking
- ▼ Software Bill of Materials
- ▼ Equivalency
- ▼ Entropy Update



# Other Focus Areas for NIAP

## Automation Focus

- ▼ PP and Security Target Generation using XML
- ▼ Look to Automate Other Processes

## Website Update ( [www.niap-ccevs.org](http://www.niap-ccevs.org), [www.commoncriteriaportal.org](http://www.commoncriteriaportal.org) )

- ▼ New backend
- ▼ Support automation, improved metrics, mobile access, process tracking
- ▼ Please submit suggestions on current website improvement
- ▼ Available End of 2023

International Challenges:

# Common Criteria Recognition Arrangement (CCRA) Participants

## Certificate Producers



Australia



Canada



France



Germany



India



Italy



Japan



Malaysia



Netherlands



Norway



Poland



Qatar

Republic  
of Korea

Singapore



Spain



Sweden



Turkey

United  
States

## Certificate Consumers



Austria

Czech  
Republic

Denmark



Ethiopia



Finland



Greece



Hungary



Indonesia



Israel

New  
Zealand

Pakistan

Slovak  
RepublicUnited  
Kingdom

## International Update/Concerns

- ▼ Common Criteria ISO Update ISO\_IEC\_15408 & 18045
  - ▼ Update all PPS to CC:2022
- ▼ Maintaining mutual recognition with standup of EU Cybersecurity Act
- ▼ US hosted CCRA meetings 25-30 Oct and ICCC 31Oct-2Nov in Washington, DC



## Additional challenges

- ▼ Continued support from Industry and government technical subject matter experts
- ▼ Ability to scale to support increased demand
- ▼ CC:2022 and CNSA 2.0 using all resources
- ▼ Meeting Industry demand for agility, simplicity and repeatability
- ▼ Stay aligned with the rest of government
  - ▼ Working with DISA, FEDRAMP process, NIST algorithm/process updates

## How to Contribute

- ▼ Technical Communities
- ▼ Common Criteria User Forum
- ▼ GitHub site: <https://github.com/commoncriteria>

## For More Information...

Visit the NIAP Website: [www.niap-ccevs.org](http://www.niap-ccevs.org)

Contact Us via E-mail: [niap@niap-ccevs.org](mailto:niap@niap-ccevs.org)

CCRA: [www.commoncriteriaportal.org](http://www.commoncriteriaportal.org)

